

Abstract of the Disclosure

Disclosed is a system and that synchronizes utilization of a data transfer with an audio/video stream. Time information contained within an audio/video stream is monitored for a specified time at which a data transfer may be combined with the audio/video stream. Combination includes logical operations, arithmetic operations, and may include screen windowing or other operations. Time required to request and receive a data transfer may be monitored or estimated such that requests for data are issued in advance of utilization of the data, allowing for data transfer time and network access time or other factors. Requests for a data transfer may be processed employing user information such that returned data transfers reflect a characteristic of the user.